UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

JUL 02 2014

7011 0470 0002 9198 3662

Mr. Jeff Marcus
1206 Julie Lane
South Lake Tahoe, California 96150

Dear Mr. Marcus:

Thank you for your telephone inquiries about Tahoe Asphalt, located at 1104 Industrial Ave in South Lake Tahoe, California. We understand that living in close proximity to this facility has been of great concern to you.

The U.S. Environmental Protection Agency (the "EPA") has reviewed correspondence, had meetings with El Dorado County Air Quality Management District ("EDC AQMD"), and reviewed the Toxic Assessment EDC AQMD performed. The Federal Clean Air Act categorizes facilities as major sources and minor sources. Tahoe Asphalt is a minor source, because it emits fewer than 10 tons per year of a single hazardous air pollutant and fewer than 25 tons per year of a combination of hazardous air pollutants. As such, Tahoe Asphalt does not trigger the applicability of the Asphalt Processing and Asphalt Roofing Manufacturing National Emission Standards for Hazardous Air Pollutants regulation LLLLL nor the emissions threshold to obtain a federally enforceable permit, such as a Title V permit.

EDC AQMD outlined their specific follow-up to odor complaints for Tahoe Asphalt during our most recent teleconference meeting, and they found them to be in compliance with the AQMD nuisance rule. The Federal Clean Air Act does not specifically regulate odor, however, odors are typically addressed through State or local nuisance regulations The EPA is satisfied with the considerable effort EDC AQMD spent to look into complaints about Tahoe Asphalt.

EDC AQMD notified the EPA that Tahoe Asphalt submitted an Authority to Construct to modify their facility to control truck load-out emissions, which may help control odors. Those changes are scheduled to be completed by the end of October 2014.

You asked for a list of chemicals released by this facility. In response, attached is the analysis the EDC AQMD performed under California's toxic "Hot Spots" program. The District included all hazardous air pollutants expected to be emitted from the facility. In order to do the most comprehensive analysis, the EDC AQMD also included potential diesel and dust particulates associated with the facility's operation and likely overestimated the emissions. You can see what chemicals are thought to be potentially emitted at the facility by looking at the prioritization scores in the spreadsheet. Any substance with a value would potentially be released by the facility. None of the modeled potential emissions exceeded the thresholds for concern.

You can also find a US EPA summary with regard to hazardous air pollutants that are regulated for asphalt processing and asphalt roofing and manufacturing facilities under the Clean Air Act here: http://www.epa.gov/airtoxics/mactfnlalph.html. Specifically, our fact sheet notes that

formaldehyde, hexane, phenol, polycyclic organic matter, toluene, metals, volatile organic compounds and particulate matter can be released at asphalt processing plants.

The EPA has done a thorough analysis and we have found no violations of any federally enforceable rule or regulation regarding this facility. The EDC AQMD is best situated to continue to monitor the facility and to keep you informed of the planned facility upgrades.

Thank you,

Kathleen H. Johnson
Director, Enforcement Division

Enc

Cc: Dave Johnston, EDC AQMD

8.5% Increase over 1986 Actual Emission Inventory which was Highest Throughput Year in File History

Prioritization Score Totals:		
0.20	0.59	0.05

HMA Emissions Calculated for 50,000 TPY / Emissions from Aggregate Processing and Emergency Generator Maintenance Hours Included

9/12/2013

See Appendix E&F in the Pri Guidelines

			EMISSIONS:				TOXICITY VALUES:					PRIORITIZATION SCORES:		
Substances	CAS Number	Deg. of Acc. (lbs/yr)	CANCER actual (lbs/yr) Ec	ACUTE maximum (lbs/hr) Ea	CHRONIC average (lbs/hr) Ech	multi-path way	UNIT RISK $(ug/m^3)^{-1}$ Pc	ACUTE REL (ug/m^3) Pa	CHRONIC REL (ug/m^3) Pch	Stack Height Factor D	Dist. factor RP	CANCER score Sc	ACUTE score Sa	CHRONIC score Sch
Acetaldehyde	75070	20	1.60E+01	3.84E-02	1.83E-03		2.70E-06	470	140	60	0.040	0.0029	0.0049	0.0001
Arsenic	7440382	0.01	4.73E-02	7.72E-05	5.40E-06	x	3.30E-03	2.00E-01	0.015	60	0.040	0.0105	0.0232	0.0022
Benzene	71432	2	1.40E+01	3.36E-02	1.60E-03		2.90E-05	1300	60	60	0.040	0.0273	0.0016	0.0002
Beryllium	7440417	0.001	8.61E-03		9.83E-07	x	2.40E-03		0.007	60	0.040	0.0014		0.0008
Cadmium	7440439	0.01	3.16E-02		3.61E-06	x	4.20E-03		0.02	60	0.040	0.0089		0.0011
Carbon Monoxide	630080			6.78E+01				23000		60	0.040		0.1767	
Chromium VI	18540299	0.0001	3.95E-03		4.51E-07	x	1.50E-01		0.2	60	0.040	0.0398		0.0000
Copper	7440508	0.1		4.47E-04				100		60	0.040		0.0003	
Diesel pm<10	9901	10	3.50E+00		4.00E-04		3.00E-04		5	60	0.040	0.0706		0.0005
Ethyl Benzene	100414	200	1.10E+02		1.26E-02		2.50E-06		2000	60	0.040	0.0185		0.0000
Formaldehyde	50000	5	3.70E+01	1.24E-01	4.22E-03		6.00E-06	5.50E+01	9.00E+00	60	0.040	0.0149	0.1353	0.0028
Lead - cancer	7439921	0.5	9.98E-02			x	1.20E-05			60	0.040	0.0001		
Manganese	7439-96-5	0.1	9.31E-01		1.06E-04				9.00E-02	60	0.040			0.0071
Mercury	7439976	1	2.05E-02	6.89E-05	2.34E-06	x		6.00E-01	3.00E-02	60	0.040		0.0069	0.0005
Naphthalene	91203	50	1.80E+00		2.05E-04		3.45E-05		9	60	0.040	0.0042		0.0001
Nickel	7440020	0.1	1.81E-01	5.04E-04	2.07E-05		2.60E-04	0.2	1.40E-02	60	0.040	0.0032	0.1512	0.0089
PAHs	1151	50				x				60	0.040			
Benzo(a)pyrene	50328	0.05	1.55E-05				1.10E-03			60	0.040	0.0000		
Benzo(a)anthracene	56553	0.5	2.30E-04				1.10E-04			60	0.040	0.0000		
Benzo(a,h)anthracene	53703		2.30E-04				1.10E-04			60	0.040	0.0000		
Benzo(b)fluoranthene	205992	0.5	4.70E-04				1.10E-04			60	0.040	0.0000		
Benzo(k)fluoranthene	207089	0.5	6.50E-04				1.10E-04			60	0.040	0.0000		
Dibenz(a,h)anthracene	53703	0.1	4.75E-06				1.20E-03			60	0.040	0.0000		
Indeno(1,2,3-cd)pyrene	193395	0.5	1.50E-05				1.10E-04			60	0.040	0.0000		
Chrysene	218019	5	1.90E-04				1.10E-05			60	0.040	0.0000		
Selenium	7782492	0.5	5.01E-02		5.72E-06				20	60	0.040			0.0000
Silica, Crystalline	1175	0.1	1.11E+02		1.26E-02				3.0	60	0.040			0.0252
Sulfur Dioxide	7446095		2.33E+02	9.37E-01	2.66E-02			660	660	60	0.040		0.0852	0.0002
Toluene	108883	200	5.00E+01	1.68E-01	5.71E-03			37000	300	60	0.040		0.0003	0.0001
Xylenes	1210	200	1.35E+02	4.54E-01	1.54E-02			22000	700	60	0.040		0.0012	0.0001
											SCORE =	0.20	0.59	0.05

Stack Height: < 20 meters
Receptor Proximity: ~= 250+ meters

D = 60
RP = 0.04
(residential)

Sc = Ec * Pc * RP * D * 28
Sa = Ea / Pa * RP * D * 25
Sch = Ech / Pch * RP * D * 2.5